

# WEST Search History for Application 10586397

Creation Date: 2008090812:59

Query	DB	Op.	Plur.	Thes.	Date
ca\$io4\$mn\$eu\$ or ca\$io4\$eu\$mn\$ or \$mn\$eu\$io4 or \$eu\$mn\$io4	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008
ba\$io4\$mn\$eu\$ or ba\$io4\$eu\$mn\$	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008
sr\$io4\$mn\$eu\$ or sr\$io4\$eu\$mn\$	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008
(\$io4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth)	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008
silicate with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth)	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008
(( \$io4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) ) not (ca\$io4\$mn\$eu\$ or ca\$io4\$eu\$mn\$ or \$mn\$eu\$io4 or \$eu\$mn\$io4 )	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008
(silicate with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) ) not ( ( \$io4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) ) or (ca\$io4\$mn\$eu\$ or ca\$io4\$eu\$mn\$ or \$mn\$eu\$io4 or \$eu\$mn\$io4 ) )	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008
(( \$io4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ca\$io4\$mn\$eu\$ or ca\$io4\$eu\$mn\$ or \$mn\$eu\$io4 or \$eu\$mn\$io4 ) and (mg or magnesium)	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008
(\$io4 or orthosilicate) with ((mn or manganese) near (eu or europium)) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth)	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008
(silicate) with ((mn or manganese) near (eu or europium)) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth)	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008

((silicate) with ((mn or manganese) near (eu or europium)) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) ) or ((sio4 or orthosilicate) with ((mn or manganese) near (eu or europium)) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) )	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008
( (silicate with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ((sio4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) or ca\$sio4\$mn\$eu\$ or ca\$sio4\$eu\$mn\$ or \$mn\$eu\$sio4 or \$eu\$mn\$sio4 ) ) or ((sio4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ca\$sio4\$mn\$eu\$ or ca\$sio4\$eu\$mn\$ or \$mn\$eu\$sio4 or \$eu\$mn\$sio4 ) )	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008
((silicate with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ((sio4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) or ca\$sio4\$mn\$eu\$ or ca\$sio4\$eu\$mn\$ or \$mn\$eu\$sio4 or \$eu\$mn\$sio4 ) or (sio4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ca\$sio4\$mn\$eu\$ or ca\$sio4\$eu\$mn\$ or \$mn\$eu\$sio4 or \$eu\$mn\$sio4 ) ) not ((silicate) with ((mn or manganese) near (eu or europium)) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) or (sio4 or orthosilicate) with ((mn or manganese) near (eu or europium)) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) )	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008
((silicate with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ((sio4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) or ca\$sio4\$mn\$eu\$ or ca\$sio4\$eu\$mn\$ or \$mn\$eu\$sio4 or \$eu\$mn\$sio4 ) or (sio4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ca\$sio4\$mn\$eu\$ or ca\$sio4\$eu\$mn\$ or \$mn\$eu\$sio4 or \$eu\$mn\$sio4 ) ) and @pd<20050114	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008
((silicate with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ((sio4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) or ca\$sio4\$mn\$eu\$ or ca\$sio4\$eu\$mn\$ or \$mn\$eu\$sio4 or \$eu\$mn\$sio4 ) or (sio4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ca\$sio4\$mn\$eu\$ or ca\$sio4\$eu\$mn\$ or \$mn\$eu\$sio4 or \$eu\$mn\$sio4 ) ) and @pd<20050114	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008

or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ca\$io4\$mn\$eu\$ or ca\$io4\$eu\$mn\$ or \$mn\$eu\$sio4 or \$eu\$mn\$sio4 ) not (silicate) with ((mn or manganese) near (eu or europium)) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) or (\$sio4 or orthosilicate) with ((mn or manganese) near (eu or europium)) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) ) and @pd<20050114					
((silicate with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ((\$sio4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) or ca\$io4\$mn\$eu\$ or ca\$io4\$eu\$mn\$ or \$mn\$eu\$sio4 or \$eu\$mn\$sio4 ) or (\$sio4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ca\$io4\$mn\$eu\$ or ca\$io4\$eu\$mn\$ or \$mn\$eu\$sio4 or \$eu\$mn\$sio4 ) not (silicate) with ((mn or manganese) near (eu or europium)) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) or (\$sio4 or orthosilicate) with ((mn or manganese) near (eu or europium)) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) ) not ((silicate with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ((\$sio4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) or ca\$io4\$mn\$eu\$ or ca\$io4\$eu\$mn\$ or \$mn\$eu\$sio4 or \$eu\$mn\$sio4 ) or (\$sio4 or orthosilicate) with (mn or manganese) with (eu or europium) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) not ca\$io4\$mn\$eu\$ or ca\$io4\$eu\$mn\$ or \$mn\$eu\$sio4 or \$eu\$mn\$sio4 ) not (silicate) with ((mn or manganese) near (eu or europium)) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) or (\$sio4 or orthosilicate) with ((mn or manganese) near (eu or europium)) with (ba or barium or ca or calcium or sr or strontium or alkali\$ earth) and @pd<20050114 )	EPAB, JPAB, DWPI	ADJ	YES		09-08-2008